Lucas County Storm Water Management 6117 District



Financial Business Plan SWAC Meeting 4 June 3, 2009





5 Year Rate Recommendation

| 5 Year Rate Recommendation | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 |
|----------------------------|---------|---------|---------|---------|---------|
| Water Quality / NPDES RATE | \$4.06 | \$ 4.97 | \$ 5.77 | \$ 6.31 | \$ 6.80 |
| Drainage / Flooding RATE | \$ 0.82 | \$ 0.85 | \$ 0.87 | \$ 0.91 | \$ 0.94 |
| Total Combined RATE | \$ 4.88 | \$ 5.81 | \$ 6.64 | \$ 7.22 | \$ 7.74 |

Range of Revenues with Increased Rate

(approximate estimates & rounded issues)

\$4.06 to \$6.80 (Water Quality Program)

Level of Service Activities included

- Water Quality NPDES Storm Water Permit
- Water Quality Maintenance
- Water Quality Engineering
- Water Quality Administration
- Water Quality Capital (CIP)



Water Quality / Storm Water Permit

- Water Quality/Environmental Education
- Public Involvement in Environmental Issues
- Environmental Management of the County's Stream & Storm System Infrastructure
- Development and Implementation of Green Management Systems and Green Infrastructure
- Responsible Management of the Community Facilities to meet Water Quality Standards.

Water Quality / Storm Water Permit (details)

- Health Department Outfall Inspector (being year 2)
- Required Sampling
- Erosion and Sedimentation
- Start up Loan
- Grant Matching
- Joint Project Matching
- Reserve Funding
- Emergency Funding



Water Quality Maintenance

- Construction Inspector (begin year 2)
- Street Sweeping
- Hazardous Spills
- Mowing
- Sewer Cleaning
- Sewer Cleaning including Townships
- Ditch projects
- TV and line inspection





Water Quality Engineering

- GIS survey technician(begin year 2)
- Culvert and ditch inspection
- Vegetation spraying
- Mapping
- Ditch studies



Water Quality Administration

- Coalition membership fees
- Billing system costs
- Aerial photography
- Prepare billing system database



Water Quality CIP (recommended)

- Year 1 = \$450,000
- Year 2 = \$550,000
- Year 3 = \$770,000
- Year 4 = \$1,000,000
- Year 5 = \$1,200,000



Water Quality CIP (adding \$1.02 for CIP)

- Year 1 = \$ 1,050,000
- Year 2 = \$1,150,000
- Year 3 = \$1,370,000
- Year 4 = \$1,600,000
- Year 5 = \$1,800,000



Water Quality CIP

| Quality Projects | Туре | Location | Length | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 |
|---------------------|---------|------------------------------|--------|-------------|-------------|-------------|-------------|-------------|
| Ten Mile Creek | Study | H&H Modeling & Environmental | 15,000 | \$150,000 | | | | |
| Prairie Creek | Study | H&H Modeling & Environmental | 15,000 | \$75,000 | | | | |
| Swan Creek | Study | H&H Modeling & Environmental | | | \$100,000 | | | |
| Shantee Creek | Study | H&H Modeling & Environmental | | | | \$50,000 | | |
| Ten Mile Ck | Improve | Herr to Brint | 15,000 | \$200,000 | \$200,000 | \$200,000 | \$200,000 | \$200,000 |
| Prairie | Improve | Bancroft to Ten Mile Ck | 15,000 | \$50,000 | \$50,000 | \$50,000 | \$50,000 | \$50,000 |
| Swan Ck | Improve | | | | \$125,000 | \$125,000 | \$125,000 | \$125,000 |
| Shantee Creek | Improve | I-475 to State Line | 5,000 | | | \$50,000 | \$100,000 | \$100,000 |
| Hill | Pond | Elmer at I-475 | 5 Ac | \$50,000 | \$50,000 | \$50,000 | \$50,000 | \$50,000 |
| Heldman | Pond | Hill at I-475 | 15 Ac | \$150,000 | \$150,000 | \$150,000 | \$150,000 | \$150,000 |
| Eisenbraum | Pond | Flanders at Alexis | 5 Ac | \$100,000 | \$100,000 | \$100,000 | \$100,000 | \$100,000 |
| Mayer | Pond | Nebraska at I-475 | 5 Ac | \$50,000 | \$50,000 | \$50,000 | \$50,000 | \$50,000 |
| Prairie | Pond | Secor Park | 40 Ac | \$200,000 | \$200,000 | \$200,000 | \$200,000 | \$200,000 |
| Swan Ck | Pond | Keener at Lose Rd | 40 Ac | \$200,000 | \$200,000 | \$200,000 | \$200,000 | \$200,000 |
| | | | Total | \$1,225,000 | \$1,225,000 | \$1,225,000 | \$1,225,000 | \$1,225,000 |

Scenario # 1 Included in Recommendation

CIP Budget \$450,000 \$550,000 \$1,000,000 \$1,200,000 \$770,000

(Increased

Scenario # 2 (\$1.02 = \$600,000)

CIP)

\$1,050,000 \$1,150,000 \$1,370,000 \$1,600,000 \$1,800,000

Water Quantity (drainage and flooding) Project List

| Drainage Projects | Туре | Location | Length | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 |
|----------------------|-----------|----------------------|--------|-----------|-----------|-----------|-----------|-----------|
| Drainage | St Sewers | Sylvania-Metamora Rd | 4,800 | \$382,500 | \$382,500 | | | |
| Drainage | St Sewers | Archbold-Whitehouse | 1,200 | | | \$130,000 | | |
| Drainage | St Sewers | TBD | | | | \$220,000 | | |
| Drainage | St Sewers | TBD | | | | | \$350,000 | |
| Drainage | St Sewers | TBD | | | | | | \$350,000 |
| | | | Total | \$382,500 | \$382,500 | \$350,000 | \$350,000 | \$350,000 |

County Engineer Funded Drainage / Flooding Annual Project Budget

| II. Drainage / Flooding Activities | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 |
|---|-----------|-----------|-----------|-----------|-----------|
| Drainage Complaints | X | X | X | X | X |
| Drainage Studies | X | X | Χ | X | X |
| Capital Improvements Projects (CIP) *** | \$350,000 | \$350,000 | \$350,000 | \$350,000 | \$350,000 |

| (Quantity) | Туре | Location | Length | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 |
|-----------------|----------|---|--------|-----------|----------|----------|-----------|-----------|
| Ten Mile Ck | Log Jams | Watershed | | \$85,000 | \$35,000 | \$35,000 | \$35,000 | \$35,000 |
| Kitzman/Harvest | Enclose | McCord to Shrewsbury | 1,900 | \$360,000 | | | | |
| Butler | Clean | Kilburn to Ten Mile | 2,500 | | \$30,000 | | | |
| Peter May | Clean | King to Hill | 6,400 | | \$70,000 | | | |
| Hike/Bike Trail | Clean | Regency to King | 15,000 | | | | \$50,000 | \$50,000 |
| Hill/Donelson | Clean | Hunting Ck to Elmer | 1,200 | | \$45,000 | | | |
| Potter | Clean | Sandbury to McCord | 2,600 | | | \$40,000 | | |
| Brick | Clean | Schwamberger to Prairie | 4,100 | | | \$60,000 | | |
| Boggs | Clean | North of Bancroft | 800 | | \$15,000 | | | |
| Newton | Clean | Oak Park to King | 2,300 | | | \$35,000 | | |
| Schlicker | Clean | Holland-Sylvania to Railroad | 2,000 | | | | \$30,000 | |
| Schmitz | Clean | Fulton-Lucas to Ten Mile Ck | 19,000 | | | | \$145,000 | \$145,000 |
| Gowman | Clean | Richfield Center to Central W of Centennial, 1000' W of | 6,200 | | | | \$95,000 | |
| Geiser | Clean | Bancroft | 1,400 | | | \$25,000 | | |
| Haefner | Clean | King to McCord | 5,200 | | | | | \$80,000 |

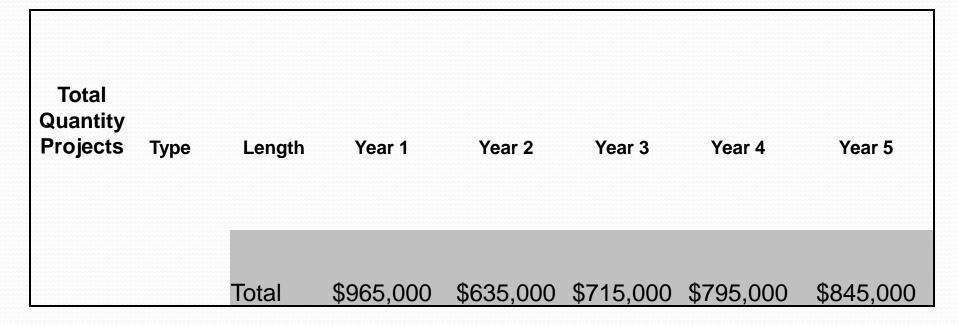
Ten Mile \$445,000 \$195,000 \$195,000 \$355,000 \$310,000

| Lake Erie | | | | | | | | |
|-------------------|----------|------------------------------|--------|-----------|----------|----------|----------|----------|
| (Quantity) | Type | Location | Length | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 |
| Jerusalem | Log Jams | Watershed | | \$5,000 | \$5,000 | \$5,000 | \$5,000 | \$5,000 |
| Wilhelm | Clean | Arquette & Decant to Yondota | 5,200 | \$130,000 | | | | |
| Teachout | Clean | Teachout to Reno Sidecut | 1,800 | | \$20,000 | | | |
| Sacks | Clean | Teachout to Reno Sidecut | 1,300 | | \$20,000 | | | |
| Railto to Curtice | Clean | Rachel to Curtice | 600 | | | \$10,000 | | |
| Sautters | Clean | Cedar Point to Lake Erie | 4,400 | | | \$40,000 | | |
| Curtice | Clean | Howard to Vandyke | 7,500 | | | | \$80,000 | |
| Sec 27 | Clean | Cedar Point to Lake Erie | 2,800 | | | | | \$60,000 |
| | | | Lake | | | | | |
| | | | Erie | \$135,000 | \$45,000 | \$55,000 | \$85,000 | \$65,000 |

| Ottawa River (Quantity) | Туре | Location | Length | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 |
|-------------------------------|----------|---------------------|-----------------|---------|---------|-----------|---------|---------|
| Washington | Log Jams | Watershed | | \$5,000 | \$5,000 | \$5,000 | \$5,000 | \$5,000 |
| Shantee Creek | Clean | I-475 to State Line | 6,500 | | | \$130,000 | | |
| | | | Ottawa River | \$5,000 | \$5,000 | \$135,000 | \$5,000 | \$5,000 |

| Swan Creek | | | | | | | | |
|-----------------|----------|--------------------------------------|--------|--|-----------|-----------|---------------------------------------|--|
| (Quantity) | Type | Location | Length | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 |
| Swan Ck | Log Jams | Watershed | | \$170,000 | \$50,000 | \$50,000 | \$50,000 | \$50,000 |
| Stone | Clean | Weckerly 1000', E, Laplante 1000' NE | 2,000 | \$40,000 | | | | |
| Butler | Clean | Meilke 1000' E & W | 2,000 | \$40,000 | | | | AAAAAAAAAAAAA AAAAAAAAAAAAAA |
| Osborne | Clean | Whitehouse Spencer 800' East | 10,000 | \$10,000 | | | | AAAAAAAAAAAAAA AAAAAAAAAAAAAA |
| Morrison | Clean | Weckerly 1000' East & West | 2,000 | \$40,000 | | | | |
| Meyer | Clean | Reed to SR 64 | 4,000 | \$80,000 | | | | |
| | | Fulton-Lucas to Waterville-Swanton | | φου,υυυ | | £40,000 | | |
| CW Richardson | Clean | | 2,000 | | | \$40,000 | | |
| Baum | Clean | Fulton-Lucas to PNS | 2,500 | | | \$50,000 | Ф г о 000 | ФГО 000 |
| Hike/Bike Trail | Clean | North Fork | 5,000 | | | | \$50,000 | \$50,000 |
| Hike/Bike Trail | Clean | South Fork | 5,000 | | | | \$50,000 | \$50,000 |
| Butler | Clean | Airport to Old State Line | 5,000 | | \$100,000 | | | |
| Holloway | Clean | SR 20A to Butz | 1,000 | | \$20,000 | | | |
| Wolf | Clean | Albon to Rancamp to Airport | 5,000 | | \$100,000 | | | |
| Blue Ck | Clean | N of Neapolis W of Yawberg | 1,000 | | \$20,000 | | | |
| Blystone | Clean | Stitt Rd South 1000' | 1,000 | | \$20,000 | | | |
| Greunke | Clean | Raymill to Wolf Ck | 4,200 | | \$80,000 | | | |
| Zaleski | Clean | Whitehouse-Spencer to SR 20A | 2,200 | | | \$40,000 | | |
| Blystone | Clean | Monclova Rd to Swan Ck | 2,700 | | | \$50,000 | | |
| Cairl | Clean | Garden to Albon | 500 | | | \$10,000 | | |
| Everrett | Clean | W of Crissey, 1000' N of Geiser | 700 | 0.000000000000000000000000000000000000 | | \$10,000 | | AAAAAAAAAAAAAA AAAAAAAAAAAAAAAA |
| Prairie | Clean | Wilkins Rd to Turnpike | 4,600 | | | \$80,000 | | AAAAAAAAAAAAA AAAAAAAAAAAAAAAAA |
| Cutshall | Clean | 295 to Whitehouse Spencer | 5,100 | | | | | \$100,000 |
| Harris | Clean | Fulton-Lucas to Neowash | 9,500 | | | | \$200,000 | A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A. |
| Van Fleet | Clean | Whitehouse-Spencer to Wabash Tr | 2,700 | | | | , , , , , , , , , , , , , , , , , , , | \$50,000 |
| Rhuland | Clean | Wilkins to RR Tracks | 2,000 | | | | | \$40,000 |
| Mollenkopf | Clean | Albon to Swan Creek | 5,800 | | | | | \$10,000 |
| Jeffers | Clean | Jeffers Rd to Railroad Tracks | 2,000 | | | | | \$40,000 |
| Emerick | Clean | Jeffers Rd to Hike/Bike Tr | 3,800 | | | | | \$60,000 |
| Trumbell | Clean | Keswetter to RR Tracks | 1,300 | | | | | \$15,000 |
| | | | Swan | | | | | |
| | | | Creek | \$380,000 | \$390,000 | \$330,000 | \$350,000 | \$465,000 |

Total Drainage and Flooding Projects



Range of Revenues with Increased Rate

(approximate estimates & rounded issues)

Next Steps

- Next SWAC meeting June 24th
 - Finalize the level of service and rate plan, if necessary
 - Introduce credit program
- Final SWAC meeting
 - Finalize the credit program



Storm Water Utility Rates

Ironton, OH \$14.55

Bellevue, WA \$12.77

Gwinnett County, GA \$8.64

Newark, OH \$6.50

Louisville, KY \$6.34

Lancaster, OH \$5.64 to \$7.64 (2012)

Milford, OH \$5.50

Rock Island, IL \$5.49

Moline, IL \$5.27

Trenton, OH \$5.00

Barberton, OH \$5.00

Sheffield Lake, OH \$4.85

Wooster, OH \$4.80

Wadsworth, OH \$4.50

Northern KY (SD1) \$4.30

Dayton, OH \$4.28

Marion, OH \$4.16



Storm Water Utility Rates (cont.)

| Loveland, OH | \$4.00 |
|-----------------|---------|
| Canton, OH | \$4.00 |
| Gambier, OH | \$4.00 |
| New London, OH | \$4.00 |
| Columbus, OH | \$3.78* |
| Trotwood, OH | \$3.75 |
| Hamilton, OH | \$3.60 |
| Franklin, OH | \$3.50 |
| Ashland, OH | \$3.50 |
| Lebanon, OH | \$3.50 |
| Toledo, OH | \$3.47 |
| Middletown, OH | \$3.25 |
| Xenia, OH | \$3.01 |
| Forest Park, OH | \$3.00 |
| Mason, OH | \$3.00 |
| Springboro, OH | \$3.00 |
| Greenville, OH | \$2.95 |



 CIP Funded With Other Funding Sources

Approximately 75 programs in the State of Ohio

Question and Answer

